



Northwest Evaluation Association

Partnering to help all kids learn

Data File Format Layouts

Comprehensive Data File

Data Text File

USER'S GUIDE

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1 Purpose

This document provides the Northwest Evaluation Association™ (NWEA™) file format layouts for the different types of data that NWEA makes available to partners. Each data file NWEA offers has a separate file format layout.

It describes the details including:

- Field Number
- Field Name
- Field Definition
- Data Type
- Maximum Length

2 Comprehensive Data File

The Comprehensive Data File is intended to enable partners to create their own reports using Measures of Academic Progress® (MAP®) results, by providing the ability to import results data into their own reporting systems or standard reporting engines. The Comprehensive Data File provides student-centric, assessment results based on a specified instructional term (fall, winter, spring, summer) for a specified year.

2.1 File Naming Conventions

The Comprehensive Data File set is available within a compressed .zip file.

The individual data files use the following static naming convention:

- StudentBySchool.csv
- AssessmentResults.csv
- ClassAssignments.csv
- SpecialProgramAssignments.csv

2.2 File Header Format

Each data file's first row is a header row identifying the data fields and their order.

2.3 File Type Definitions

Field Type Value	Definition
String	Identifies a field that uses both alpha and numeric characters.
Number	Identifies a field that uses values that can be used for mathematic calculations and can be stored without leading zeroes.

2.4 File Organization

The Comprehensive Data File consists of two (2) to four (4) separate files, each containing specific student information.

1. StudentBySchool.csv → Student to school associations.
2. AssessmentResults.csv → All valid assessment results for the specified term for students listed in the StudentBySchool.csv data file.
3. ClassAssignments.csv → Student to teacher and class associations for the specified term for students listed in the StudentBySchool.csv data file.
4. SpecialProgramAssignments.csv → Student to special program association for the specified term for students listed in the StudentBySchool.csv data file.

The Comprehensive Data File package will *always* consist of the StudentBySchool.csv and AssessmentResults.csv data files.

2.5 Student by School Data File Format Layout

The student by school data file contains 11 fields, delimited by commas. The data identifies each student and school association based on the specified term's most recent roster or edit through Test Administration Application (TAA).

2.5.1 Data Format

A student will have one (1) record row per school association as provided in the last roster, or resulting from TAA edits, for the specified term. For example, if studentA is associated with only one (1) school, then studentA will have one (1) record/row in the student by school data file. If studentB, however, is associated with schoolB and schoolC, then studentB will have two (2) records/rows in the student by school data file.

2.5.2 Field Format

Field #	Field	Definition	Type	Max. Length
1	TermName	Term selected by user when the Comprehensive Data File is ordered. Format: <term> <term year> (e.g., Fall 2010)	String	65
2	DistrictName	Name of district as stored in NWEA MAP system.	String	65
3	SchoolName	Name of school as stored in NWEA MAP system.	String	65
4	StudentLastName	Last name of student as provided in the most recent roster or edit through TAA.	String	65
5	StudentFirstName	First name of student as provided in the most recent roster or edit through TAA.	String	65
6	StudentMI	Middle initial or middle name of student as provided in the most recent roster or edit through TAA.	String	20
7	StudentID	StudentID as provided in the most recent roster or edit through TAA.	String	85
8	StudentDateOfBirth	Date of birth of student as provided in the most recent roster or edit through TAA. Note: If a date of birth was not provided, a placeholder value is inserted which is the first day of the current year of the most recent roster.	String	10
9	StudentEthnicGroup	NWEA ethnic group name based on a mapping between the ethnic group provided in the roster and NWEA's ethnic group list.	String	65
10	StudentGender	Single character identifying the student's gender as either male or female. Gender: M or F	String	1

Field #	Field	Definition	Type	Max. Length
11	Grade	Numeric string identifying the grade the student is assigned for the associated school. Mapping values: 1-12 = Grades 1 – 12 13 = Kindergarten	String	65

2.6 Assessment Results Data File Format Layout

The assessment results data file contains 62 fields, delimited by commas. The data identifies all valid, assessment results for all students listed in the students by school data file, for the specified term.

2.6.1 Data Format

A student will have one (1) record per test taken for the specified term. Tests listed are only those that have been qualified as a valid test result. Where a student has taken a test multiple times, only one of the results will be marked as the result used in reports showing growth (refer to the Field Format descriptions). Fields that do not apply to a specific test will be blank.

2.6.2 Field Format

Field #	Field	Definition	Type	Max. Length
1	TermName	Term selected by user when the Comprehensive Data File is ordered. Format: <term> <term year> (e.g., Fall 2010)	String	65
2	StudentID	StudentID as provided in the most recent roster or edit through TAA.	String	85
3	SchoolName	Name of school as stored in NWEA MAP system.	String	65
4	MeasurementScale	Specific RIT scale that applies to the test.	String	65
5	Discipline	The content area that the test is for. Example: Mathematics Reading Language Usage	String	15
6	GrowthMeasureYN	The value identifies which test result for the specified term is used for growth reporting. Where more than one result record exists for a student for a test, only one (1) of the records will have a GrowthMeasureYN equal to TRUE. Values: TRUE FALSE	String	5

Field #	Field	Definition	Type	Max. Length
7	TestType	Description of the type of test taken. Survey Survey with Goals ALT (Paper/Pencil tests)	String	65
8	TestName	Full name of the test	String	65
9	TestStartDate	Date the test was started as recorded by the workstation where the test was taken.	String	10
10	TestDurationMinutes	Total time of the test in minutes.	Number	(Integer)
11	TestRITScore	Overall RIT score of the test, displayed as a whole, integer number.	Number	3
12	TestStandardError	RIT score variance to one decimal place.	Number	(9,1)
13	TestPercentile	Ranking of the student based on the RIT score of this test.	Number	3
14	TypicalFallToFallGrowth	Typical RIT growth measure based on student's RIT score, displayed to one decimal place. A value is only available if the test term is for fall. Value is blank for Survey test types.	Number	(9,1)
15	TypicalSpringToSpringGrowth	Typical RIT growth measure based on student's RIT score, displayed to one decimal place. A value is only available if the test term is for spring. Value is blank for Survey test types.	Number	(9,1)
16	TypicalFallToSpringGrowth	Typical RIT growth measure based on the student's RIT score, displayed to one decimal place. A value is only available if the test term is for fall. Value is blank for Survey test types.	Number	(9,1)
17	RITtoReadingScore	Score resulting from a correlation between NWEA's RIT score and the Lexile® scale. Notes: Value only available for Reading tests. "BR" listed for Beginning Readers	String	4
18	RITtoReadingMin	Lower range of RIT to Reading scaled materials.	String	4
19	RITtoReadingMax	Upper range of RIT to Reading scaled materials.	String	4

Field #	Field	Definition	Type	Max. Length
20	Goal1Name	Name of first goal section of the test. Value is blank for Survey test types.	String	65
21	Goal1RitScore	RIT score for the first goal section of the test. Result rounded to whole, integer value.	Number	3
22	Goal1StdErr	Standard error for first goal section of the test, displayed to one decimal place precision.	Number	(9,1)
23	Goal1Range	RIT range based on the standard error and RIT score.	String	7
24	Goal1Adjective	The goal adjective that relates to the first goal score. This is defined using the goal score percentile as it relates to a norm set and its associative cut sheet. Possible values are: LO AV HI	String	2
25	Goal2Name	Name of second goal section of the test. Value is blank for Survey test types.	String	65
26	Goal2RitScore	RIT score for the second goal section of the test. Result rounded to whole, integer value.	Number	3
27	Goal2StdErr	Standard error for second goal section of the test, displayed to one decimal place precision.	Number	(9,1)
28	Goal2Range	RIT range based on the standard error and RIT score.	String	7
29	Goal2Adjective	The goal adjective that relates to the second goal score. This is defined using the goal score percentile as it relates to a norm set and its associative cut sheet. Possible values are: LO AV HI	String	2
30	Goal3Name	Name of third goal section of the test. Value is blank for Survey test types.	String	65
31	Goal3RitScore	RIT score for the third goal section of the test. Result rounded to whole, integer value.	Number	3
32	Goal3StdErr	Standard error for third goal section of the test, displayed to one decimal place precision.	Number	(9,1)

Field #	Field	Definition	Type	Max. Length
33	Goal3Range	RIT range based on the standard error and RIT score.	String	7
34	Goal3Adjective	<p>The goal adjective that relates to the third goal score.</p> <p>This is defined using the goal score percentile as it relates to a norm set and its associative cut sheet.</p> <p>Possible values are: LO AV HI</p>	String	2
35	Goal4Name	<p>Name of fourth goal section of the test.</p> <p>Value is blank for Survey test types.</p>	String	65
36	Goal4RitScore	<p>RIT score for the fourth goal section of the test.</p> <p>Result rounded to whole, integer value.</p>	Number	3
37	Goal4StdErr	Standard error for fourth goal section of the test, displayed to one decimal place precision.	Number	(9,1)
38	Goal4Range	RIT range based on the standard error and RIT score.	String	7
39	Goal4Adjective	<p>The goal adjective that relates to the fourth goal score.</p> <p>This is defined using the goal score percentile as it relates to a norm set and its associative cut sheet.</p> <p>Possible values are: LO AV HI</p>	String	2
40	Goal5Name	<p>Name of fifth goal section of the test.</p> <p>Value is blank for Survey test types.</p>	String	65
41	Goal5RitScore	<p>RIT score for the fifth goal section of the test.</p> <p>Result rounded to whole, integer value.</p>	Number	3
42	Goal5StdErr	Standard error for fifth goal section of the test, displayed to one decimal place precision.	Number	(9,1)
43	Goal5Range	RIT range based on the standard error and RIT score.	String	7

Field #	Field	Definition	Type	Max. Length
44	Goal5Adjective	<p>The goal adjective that relates to the fifth goal score.</p> <p>This is defined using the goal score percentile as it relates to a norm set and its associative cut sheet.</p> <p>Possible values are: LO AV HI</p>	String	2
45	Goal6Name	<p>Name of sixth goal section of the test.</p> <p>Value is blank for Survey test types.</p>	String	65
46	Goal6RitScore	<p>RIT score for the sixth goal section of the test.</p> <p>Result rounded to whole, integer value.</p>	Number	3
47	Goal6StdErr	<p>Standard error for sixth goal section of the test, displayed to one decimal place precision.</p>	Number	(9,1)
48	Goal6Range	<p>RIT range based on the standard error and RIT score.</p>	String	7
49	Goal6Adjective	<p>The goal adjective that relates to the sixth goal score.</p> <p>This is defined using the goal score percentile as it relates to a norm set and its associative cut sheet.</p> <p>Possible values are: LO AV HI</p>	String	2
50	Goal7Name	<p>Name of seventh goal section of the test.</p> <p>Value is blank for Survey test types.</p>	String	65
51	Goal7RitScore	<p>RIT score for the seventh goal section of the test.</p> <p>Result rounded to whole, integer value.</p>	Number	3
52	Goal7StdErr	<p>Standard error for seventh goal section of the test, displayed to one decimal place precision.</p>	Number	(9,1)
53	Goal7Range	<p>RIT range based on the standard error and RIT score.</p>	String	7

Field #	Field	Definition	Type	Max. Length
54	Goal7Adjective	<p>The goal adjective that relates to the seventh goal score.</p> <p>This is defined using the goal score percentile as it relates to a norm set and its associative cut sheet.</p> <p>Possible values are: LO AV HI</p>	String	2
55	Goal8Name	<p>Name of eighth goal section of the test.</p> <p>Value is blank for Survey test types.</p>	String	65
56	Goal8RitScore	<p>RIT score for the eighth goal section of the test.</p> <p>Result rounded to whole, integer value.</p>	Number	3
57	Goal8StdErr	Standard error for eighth goal section of the test, displayed to one decimal place precision.	Number	(9,1)
58	Goal8Range	RIT range based on the standard error and RIT score.	String	7
59	Goal8Adjective	<p>The goal adjective that relates to the eighth goal score.</p> <p>This is defined using the goal score percentile as it relates to a norm set and its associative cut sheet.</p> <p>Possible values are: LO AV HI</p>	String	2
60	TestStartTime	Time the test was started with the format hh:mm:ss. Example: 13:23:45	String	8

Field #	Field	Definition	Type	Max. Length
61	PercentCorrect	PercentCorrect: Number of items answered correctly divided by the total number of items in the test multiplied by 100. This is included as an additional reference point for those assessing the confidence level of a test event's RIT score. When approximately 40% to 60% of items are answered correctly, the student's responses are consistent with the adaptive test model and the level of confidence in the validity of the RIT score is increased. Used in conjunction with the test duration and standard error of measure, the percent correct can identify test event scores which may be suspect. A test event with too many items answered correctly (e.g, more than 60%) can be an indicator that the test was not well targeted for the student's performance level - the items presented were not sufficiently appropriate for the student's level of proficiency (generally too easy). A test event with too few items answered correctly can be an indicator that the student was not fully engaged; either randomly answering questions or purposely providing incorrect answers.	Numeric	3
62	ProjectedProficiency	Projected proficiency category on the state assessment based on the NWEA alignment studies.	String	20

2.7 Class Assignments Data File Format Layout

The class assignments data file consists of five (5) fields, delimited by commas. The data identifies all school, class, and teacher associations for all students listed in the student by school file for the specified term. The information reflects the most recent roster or edit through TAA for the specified term.

2.7.1 Data Format

A student, identified by their StudentID will have one (1) record/row per school, class, teacher assignment.

2.7.2 File Format

Field #	Field	Definition	Type	Max. Length
1	TermName	Term selected by user when the Comprehensive Data File is ordered. Format: <term> <term year> (e.g., Fall 2010)	String	65
2	StudentID	StudentID as provided in the most recent roster or edit through TAA.	String	85
3	SchoolName	Name of school as stored in NWEA MAP system.	String	65

Field #	Field	Definition	Type	Max. Length
4	ClassName	Name of student's class as stored in NWEA MAP system. Note: ClassName is a combination of teacher, subject and period as identified in the class roster file (CRF).	String	65
5	TeacherName	Teacher associated with student, class and school as provided in the class roster file (CRF). Note: TeacherName format is: <lastname>, <first> <mi>	String	150

2.8 Special Program Assignments Data File Format Layout

The special program assignments data file consists of three (3) fields, delimited by commas. The data identifies all programs associated with the student for the specified term, provided through submitting a special programs file (SPF) at the time of processing the class roster file (CRF).

2.8.1 Data Format

The special program assignments data file will contain one (1) record/row for each special program associated with the student.

2.8.2 File Format

Field #	Field	Definition	Type	Max. Length
1	TermName	Term selected by user when the Comprehensive Data File is ordered. Format: <term> <term year> (e.g., Fall 2010)	String	65
2	StudentID	StudentID as provided in the most recent roster or edit through TAA.	String	85
3	SpecialProgram	NWEA pre-defined special program name, based on a mapping of the special programs submitted in special programs files (SPF) performed during roster processing.	String	65

3 Data Text File

The Data Text File is a tab-delimited text file that shows all reportable tests for the selected term. The Data Text File does not contain any teacher, class, or special program information.

3.1 File Naming Conventions

The Data Text File, when ordered via NWEA's Reports Site, uses the following naming standard:

District_Name is the name of the district as recorded through NWEA's license program. Spaces within the name are replaced with underscores.

3.2 File Header Format

The Data Text File contains one (1) header row identifying the data fields and their field order.

3.3 Field Type Definitions

Field Type Value	Definition
String	Identifies a field that uses both alpha and numeric characters.
Number	Identifies a field that uses values that can be used for mathematic calculations and can be stored without leading zeroes.

3.4 File Body Data File Format Layout

3.4.1 Data Format

The data format of the Data Text File is tab-delimited and consists of one (1) row per reportable test result per student. For example, if a student has a reportable test result in Mathematics and in Reading, the Data Text File will contain two (2) rows of data for that student.

3.4.2 Field Format

Field #	Field	Definition	Type	Max. Length
1	StudentID	The identifier for the student that was provided by the partner for the current test period of the data set. This value matches the <i>StudentID</i> provided in the specified term's CRF.	String	85
2	StudentName	Full name of student. Combines last name, first name and middle initial as exists in the database. Format: <last name>, <first name> <mi>	String	150
3	StudentGender	Single character identifying the student's gender as either male or female. Gender: M or F	String	1
4	StudentEthnic	Ethnicity of student	String	65
5	GradeName	Grade value of the student Values: K, 1-12	String	65

Field #	Field	Definition	Type	Max. Length
6	TermName	Name of the term the test results are from. Format: <term> <term year> (e.g., Fall 2010)	String	65
7	MeasurementScaleName	Content area of the test taken: Biology Chemistry Concepts and Processes General Science Language Usage Mathematics Primary Math 1 Primary Math 2 Primary Reading 1 Primary Reading 2 Reading Social Studies	String	65
8	TestName	Name of the test as assigned by NWEA.	String	65
9	TestTypeName	Description of the type of test taken. Survey Survey with Goals	String	65
10	TestRITScore	Student's overall test result score Value is whole, integer number.	Number	3
11	TestStdErr	Student's test result standard error value, rounded to 1 decimal place.	Number	10
12	TestPercentile	The ranking of the test RIT value as it relates to an identified norm set. This could be either the NWEA base norm set or a user defined norm set.	Number	3
13	TestStartDate	Date the test was begun by the student.	String	10
14	InstitutionName	Name of the agency/school associated with the student for the specified test term.	String	65
15	RITtoReadingScore	Score resulting from a correlation between NWEA's RIT score and the Lexile® scale. Value only available for Reading tests.	String	4
16	GoalRITScore1	Score of the first goal section of the test. RIT result rounded to whole, integer value.	Number	3

Field #	Field	Definition	Type	Max. Length
17	GoalAdjective1 or GoalRange1	The goal adjective that relates to the first goal score. (default content) This is defined using the goal score percentile as it relates to a norm set and its associative cut sheet. Possible values are: LO AV HI If “Display Goal RIT Ranges” is selected when ordering reports, then the field header and content will be GoalRange1.	String	2 (goal adjective) 7 (goal range)
18	GoalName1	First goal name of the specified test.	String	65 (50)
19	GoalRITScore2	Score of the second goal section of the test. RIT result rounded to whole, integer value.	Number	3
20	GoalAdjective2 or GoalRange2	The goal adjective that relates to the second goal score. (default content) This is defined using the goal score percentile as it relates to a norm set and its associative cut sheet. Possible values are: LO AV HI If “Display Goal RIT Ranges” is selected when ordering reports, then the field header and content will be GoalRange2.	String	2 (goal adjective) 7 (goal range)
21	GoalName2	Second goal name of the specified test.	String	65 (50)
22	GoalRITScore3	Score of the third goal section of the test. RIT result rounded to whole, integer value.	Number	3
23	GoalAdjective3 or GoalRange3	The goal adjective that relates to the third goal score. (default content) This is defined using the goal score percentile as it relates to a norm set and its associative cut sheet. Possible values are: LO AV HI If “Display Goal RIT Ranges” is selected when ordering reports, then the field header and content will be GoalRange3.	String	2 (goal adjective) 7 (goal range)
24	GoalName3	Third goal name of the specified test.	String	65 (50)
25	GoalRITScore4	Score of the fourth goal section of the test. RIT result rounded to whole, integer value.	Number	3

Field #	Field	Definition	Type	Max. Length
26	GoalAdjective4 or GoalRange4	The goal adjective that relates to the fourth goal score. (default content) This is defined using the goal score percentile as it relates to a norm set and its associative cut sheet. Possible values are: LO AV HI If “Display Goal RIT Ranges” is selected when ordering reports then, the field header and content will be GoalRange4.	String	2 (goal adjective) 7 (goal range)
27	GoalName4	Fourth goal name of the specified test.	String	65 (50)
28	GoalRITScore5	Score of the fifth goal section of the test. RIT result rounded to whole, integer value.	Number	3
29	GoalAdjective5 or GoalRange5	The goal adjective that relates to the fifth goal score. (default content) This is defined using the goal score percentile as it relates to a norm set and its associative cut sheet. Possible values are: LO AV HI If “Display Goal RIT Ranges” is selected when ordering reports, then the field header and content will be GoalRange5.	String	2 (goal adjective) 7 (goal range)
30	GoalName5	Fifth goal name of the specified test.	String	65 (50)
31	GoalRITScore6	Score of the sixth goal section of the test. RIT result rounded to whole, integer value.	Number	3
32	GoalAdjective6 or GoalRange6	The goal adjective that relates to the sixth goal score. (default content) This is defined using the goal score percentile as it relates to a norm set and its associative cut sheet. Possible values are: LO AV HI If “Display Goal RIT Ranges” is selected when ordering reports, then the field header and content will be GoalRange6.	String	2 (goal adjective) 7 (goal range)
33	GoalName6	Sixth goal name of the specified test.	String	65 (50)
34	GoalRITScore7	Score of the seventh goal section of the test. RIT result rounded to whole, integer value.	Number	3

Field #	Field	Definition	Type	Max. Length
35	GoalAdjective7 or GoalRange7	<p>The goal adjective that relates to the seventh goal score. (default content)</p> <p>This is defined using the goal score percentile as it relates to a norm set and its associative cut sheet. Possible values are: LO AV HI</p> <p>If “Display Goal RIT Ranges” is selected when ordering reports, then the field header and content will be GoalRange7.</p>	String	<p>2 (goal adjective)</p> <p>7 (goal range)</p>
36	GoalName7	Seventh goal name of the specified test.	String	65 (50)
37	RITtoReadingMin	Lower range of RIT to Reading scaled materials.	String	4
38	RITtoReadingMax	Upper range of RIT to Reading scaled materials.	String	4

